



Army Operational Aeromedical Problems Course



USAFSAM Update or Air Force Speak in Y2K

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Y2K Air Force Speak



- ✈ ***EA***
- ✈ ***AE***
- ✈ ***AEW***
- ✈ ***AE***
- ✈ ***AE***
- ✈ ***ASET***
- ✈ ***COMAFFOR***
- ✈ ***Lead Wing***
- ✈ ***Mobility Wing***
- ✈ ***EMEDS***
- ✈ ***AFTH***
- ✈ ***MFST***
- ✈ ***SAM***



"EAF"

Not Your Father's Air Force



"EAF" Expeditionary Aerospace Force



***The Air Force vision to organize,
train, equip and sustain itself to
provide rapidly responsive,
tailored aerospace forces for 21st
Century military operations***



Expeditionary Aerospace Force (EAF)



→ Driver for change: Personnel Issues

***→ High operations tempo rates have
negatively impacted***

→ Morale

→ Retention

→ Combat readiness

→ Modernization priorities



Expeditionary Aerospace Force (EAF)



- ✈ The EAF will provide Air Force units, people and their families***
- ✈ Greater deployment stability and predictability***
- ✈ Distribute the deployment load across the Total Force***



Expeditionary Aerospace Force (EAF)



- ✈ Expeditionary means primarily U.S.-based Forces will conduct global aerospace operations***
- ✈ The EAF will shape how the Air Force is organized, trained, and equipped to support the national military strategy***



"AEF"



“AEFs” Aerospace Expeditionary Forces



- ✈ AEFs are pre-determined sets of forces (aircraft, equipment and personnel) from which tailored force packages will be deployed in support of theater commanders***
- ✈ Each AEF will operate a cross section of weapon systems***
 - ✈ 150 plus aircraft***
 - ✈ 10,000-15,000 personnel (AD and ARC)***



Aerospace Expeditionary Forces (AEFs)



- ✈ AEFs will operate on a known 15-month lifecycle***
- ✈ AEF members will know when they are “on call” to potentially deploy***
- ✈ When they are in a training period***
- ✈ When they must prepare for their “on call” rotation***



LIFE CYCLE OF AN AEF

Basic & Normal Training Periods



10 MONTHS

	2 Wks	3 MONTHS	6 1/2 MONTHS	
Deploy	SPIN DOWN	NORMAL OPS & TRAINING (Back to Basics)	NORMAL OPERATIONS & TRAINING (MTW Training)	Spin-up
	Hotwash	Personnel Turnovers, Re-qualification, Blue 4 Training, (Other Trng TBD)	Upgrades, Service Exercises (Composite Force Training), JCS Exercises (Joint Interoperability Training),	



LIFE CYCLE OF AN AEF

Preparation & Vulnerability Periods



**2 MONTHS
SPIN-UP CYCLE**

60 DAYS

2 WK

90 DAYS

SPIN-UP

READY

VUL PERIOD

**Spin
Down**

**AEF Commanders Seminars,
Planning Conferences
Mobility Training, MOP Training,
ATSO Exer, AOR Specific Training,
Deployment Build-up, Supply
Priority**

**Sustainment
Training,
Deploy/Employ
(As Required)**

**Norm
Ops**

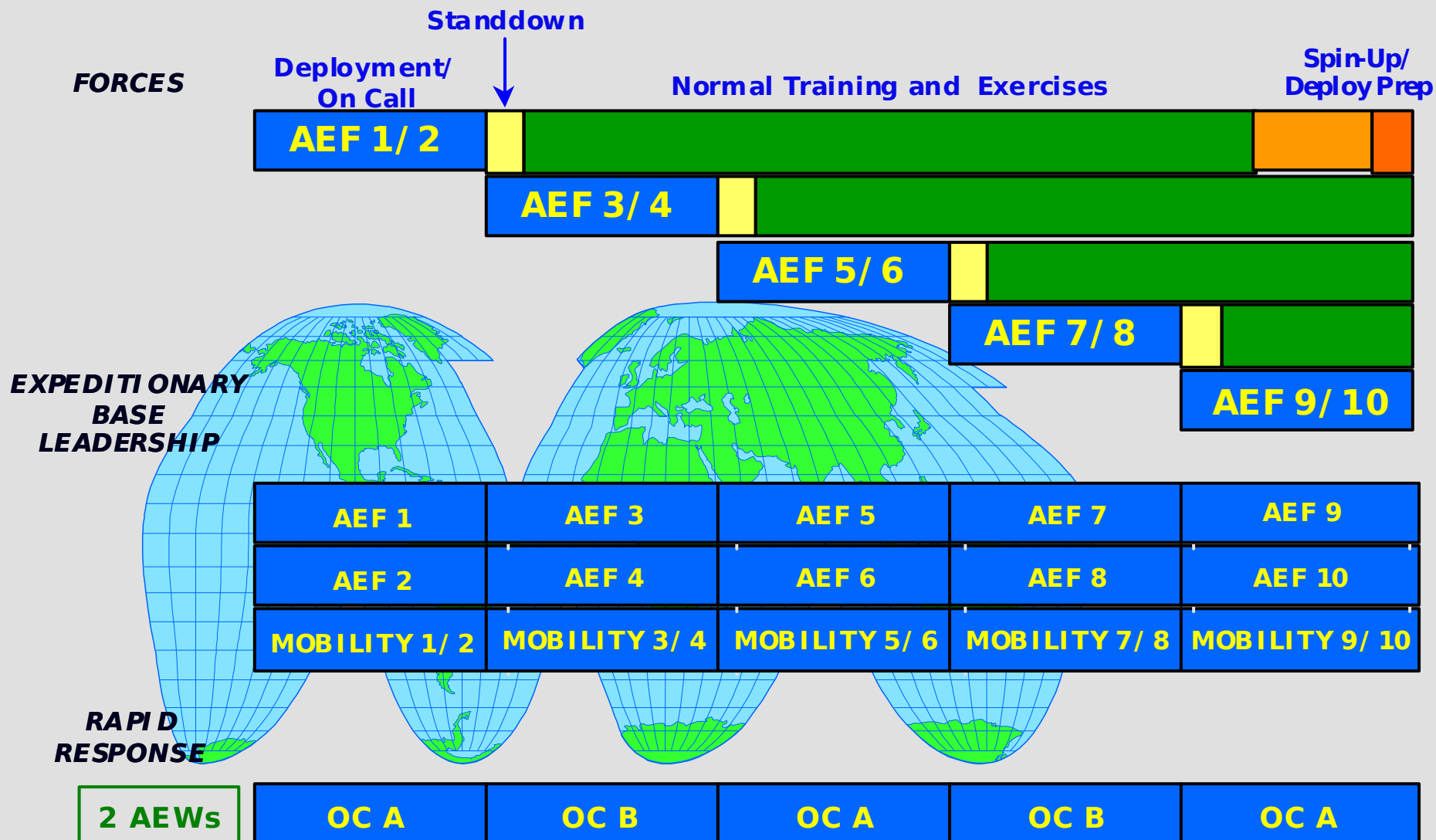


Aerospace Expeditionary Forces (AEFs)



- AEFs are light, lean, and lethal force packages***
- Force elements drawn from the AEF resource pool will operate on a 90-day “on call” window every 15 months of the AEF lifecycle.***
- Nearly every wing in the Air Force will provide aircraft and or personnel to multiple AEFs***

15 Month Cycle





"ASETF"

AEW

AEG

AES

COMAFFOR



Aerospace Expeditionary Task Forces (ASETF)



- ✈ ***AEFs deploy as Aerospace Expeditionary Task Forces (ASETF)***
- ✈ ***ASETF deployable elements are:***
 - ✈ ***Aerospace Expeditionary Wings (AEW)***
 - ✈ ***Groups (AEG) or***
 - ✈ ***Squadrons (AES)***
- ✈ ***Deployed elements assigned to an ASETF fall under the command of the COMAFFOR***



“Lead Wing”

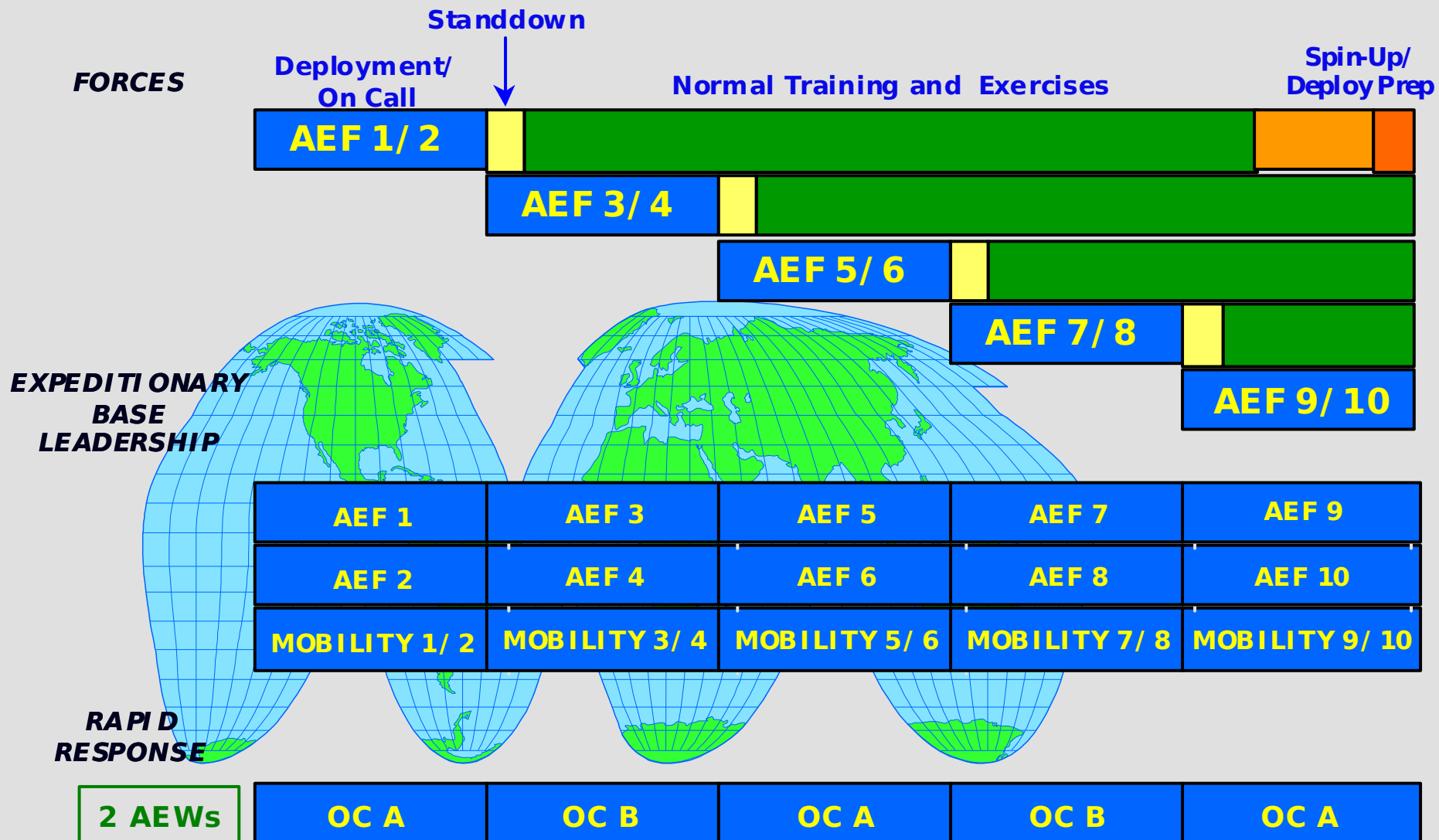


Aerospace Expeditionary Force (AEF) Lead Wings



- ✈ Each AEF will have a designated “Lead Wing” that will provide contingency leadership at the tactical level***

15 Month Cycle





Aerospace Expeditionary Force (AEF) Lead Wings



- ✈ ***AEF #1: 388th Fighter Wing, Hill AFB***
- ✈ ***AEF #2: 7th Wing, Dyess AFB***
- ✈ ***AEF #3: 3rd Wing, Elmendorf AFB***
- ✈ ***AEF #4: 48th Fighter Wing, RAF Lakenheath***
- ✈ ***AEF #5: 355th Wing, Davis-Monthan AFB***
- ✈ ***AEF #6: 20th Fighter Wing, Shaw AFB***
- ✈ ***AEF #7: 2nd Bomb Wing, Barksdale AFB***
- ✈ ***AEF #8: 28th Bomb Wing, Ellsworth AFB***
- ✈ ***AEF #9: 27th Fighter Wing, Cannon AFB***
- ✈ ***AEF #10: 1st Fighter Wing, Langley AFB***



“MOBILITY WINGS”



Mobility Wings



- ✈ ***Five mobility wings will provide “on call” mobility response for:***
 - ✈ ***Humanitarian relief operations***
 - ✈ ***Disaster response***
 - ✈ ***Non-combatant evacuation operations from hostile areas***



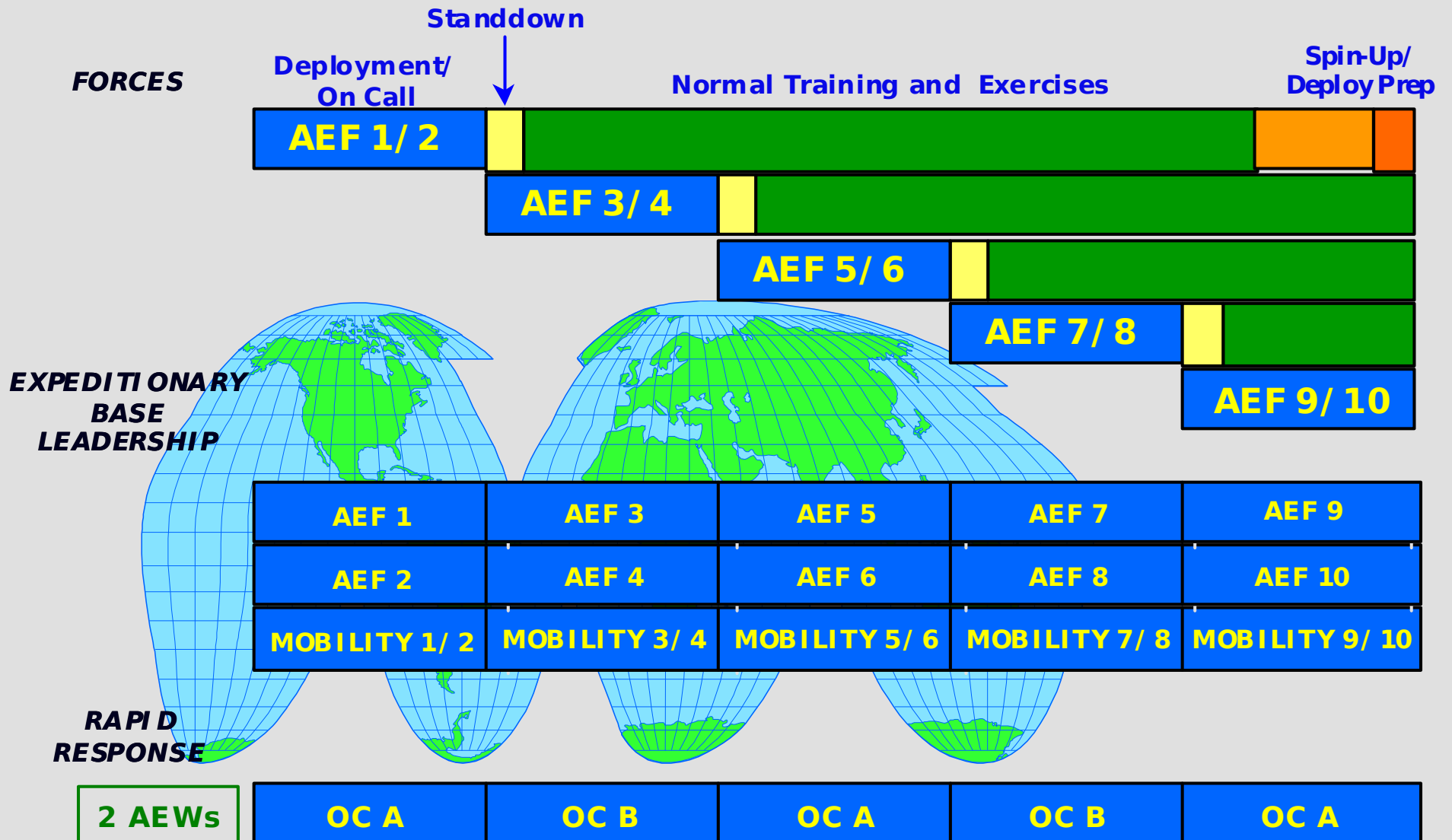
Mobility wings paired to AEFs



- ✈ ***AEF 1/2 43rd
Airlift Wing, Pope
AFB, North Carolina***
- ✈ ***AEF 3/4 60th Air
Mobility Wing,
Travis AFB,
California***
- ✈ ***AEF 5/6 22nd Air
Refueling Wing,
McConnell AFB,
Kansas***

- ✈ ***AEF 7/8
319th Air
Refueling Wing,
Grand Forks AFB,
North Dakota***
- ✈ ***AEF 9/10 92nd
Air Refueling
Wing, Fairchild
AFB, Washington***

15 Month Cycle





“RAPID RESPONSE AEWs”



“AEWs” Aerospace Expeditionary Wings



- ✈ Evolution to the EAF will take several years***
- ✈ Until the AEFs have matured, the Air Force will maintain two “on-call” AEWs for global crises response***
- ✈ They will share the “on call” responsibilities to provide rapid response (within 48 hours) to meet unplanned, or “pop-up” contingencies***

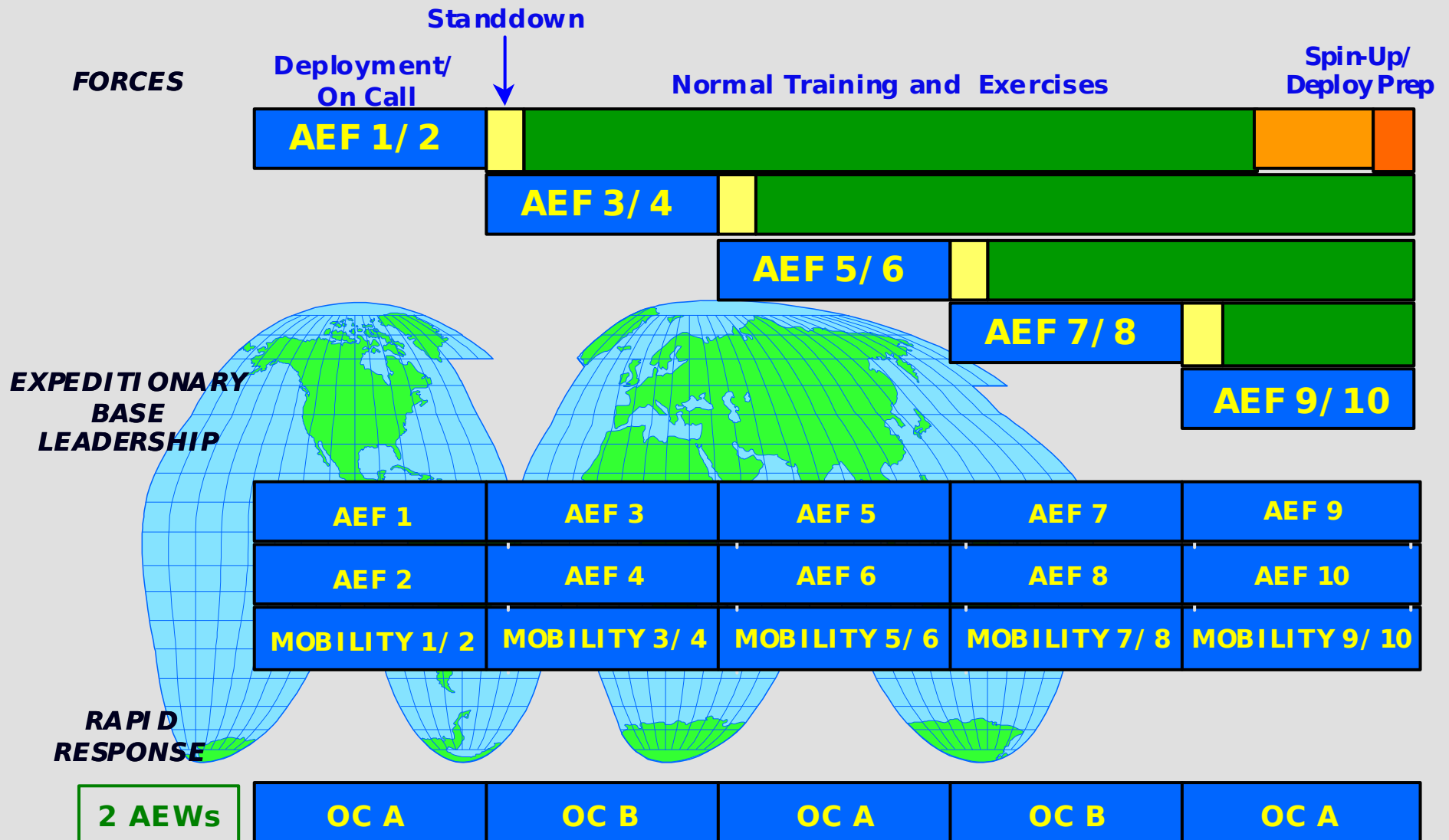


Aerospace Expeditionary Wings (AEWs)



- ✈ The two AEWs alternating a 90-day
“on call” rapid response force***
- ✈ 366th Wing, Mountain Home AFB, Idaho***
- ✈ 4th Fighter Wing, Seymour-Johnson AFB,
North Carolina***

15 Month Cycle





All Air Force Wings



- ✈ Nearly every Air Force wing will have aviation forces or combat support forces aligned under AEFs***
- ✈ Most wings will have forces aligned with multiple AEFs***
- ✈ The Air Force will realigned manpower authorizations to those wings***



Medical Support to the EAF



"AFTH"



“AFTH” Air Force Theater Hospitalization



AFTH provides individual bed-down and theater-level medical services for deployed forces



"EMEDS"

Not Your Father's ATH



“EMEDS” Expeditionary Medical Support



- ✈ EMEDS - The means by which the Air Force Medical Service will support the EAF***
- ✈ EMEDS is the operational medical support required to sustain a single AEF***
 - ✈ 500 - 2000 personnel***



AEF Medical Support



✈ Goals

- ✈ Small Footprint***
- ✈ Light, modular***
- ✈ Multi functional (Like a Special Forces A Team)***
- ✈ Less personnel***
- ✈ More initial capability***
- ✈ Reliance on Air Evacuation***





Expeditionary Medical Support (EMEDS)



✈ Structure

- ✈ EMEDS Basic ~24 Medics***
 - ✈ Flight Medicine - Primary Care***
 - ✈ Preventive Medicine***
 - ✈ Surgery - MFST***
 - ✈ Critical Care - CCATT***
- ✈ 3 Pallets***
- ✈ AE Availability Within 12 hrs***



Medical Advantages



- ✈ Insert additional modules based on threat***
 - ✈ Specialty teams for:***
 - ✈ Humanitarian/NEO missions***
 - ✈ (Pediatrics, additional holding capability modules)***
 - ✈ Add 22 person modules to support 4 AEF bed down sites for one full up AEF***



“EMEDS” Expeditionary Medical Support



- ✈ EMEDS Provides:***
 - ✈ Forward stabilization***
 - ✈ Primary care***
 - ✈ Force medical protection***
 - ✈ Preparation for aeromedical evacuation***
- ✈ One C-130 is capable of moving one complete EMEDS force package***



“AFTH” Air Force Theater Hospitalization



- ✈ AFTH begins with the initial force package (EMEDS) and then may progress to a full spectrum theater hospital***
- ✈ EMEDS increments will be deployed to meet specific medical requirements related to a mission.***



Air Force Theater Hospitalization (AFTH) System



✈ INCREMENTS and MODULES

***✈ Three EMEDS increments form the
core of the AFTH System***

✈ EMEDS Basic

✈ EMEDS +10

✈ EMEDS +25



EMEDS Basic (AFTH 1st Increment)



✈ “EMEDS Basic” has three Modules

✈ Module 1

***✈ The Medical Component of the AEF
ADVON Team***

✈ Deploys with the initial AEF team

✈ Comprised of two personnel

✈ Aerospace Medicine Physician (RAM)

✈ Public Health Officer or IDMT



EMEDS Basic: Module 1



✈ Capability

✈ Limited aerospace medicine support

✈ Primary care

✈ Population at risk of less than 100

✈ Supplies for 7 days

✈ Initial site survey

✈ Preventive medicine planning for water, food, and sewage



EMEDS Basic: Module 2



✈ Module 2

✈ Mobile Field Surgical Team (MFST)

- ✈ Five-person surgical module***
- ✈ Provides emergency and surgical trauma care***
- ✈ Shelters of opportunity will be used pending arrival of Module 3***
- ✈ Personnel deploy with man-portable surgical backpacks***



EMEDS Basic: Module 3



✈ Module 3

- ✈ Remaining 17 Personnel of the EMEDS Basic Package***
- ✈ Includes Critical Care Aeromedical Team - 3 personnel***
- ✈ Requires 3 pallets of equipment and tentage***



EMEDS Basic (AFTH 1st Increment)



✈ CAPABILITY of all 3 Modules

- ✈ Provides 24-hour sick call and emergency medical care***
- ✈ Trauma resuscitation and stabilization***
- ✈ Critical Care short term holding capability***
- ✈ Anesthesia***
- ✈ Aerospace and Preventive medicine***
- ✈ Aeromedical evacuation coordination***
- ✈ Dental***



EMEDS Basic (AFTH 1st Increment)



- ✈ The EMEDS Basic supports a deployed force from 500 to 2000 personnel for 7 days without re-supply***
- ✈ EMEDS Basic provides only limited holding capability of less than 23 hours***
- ✈ Timely aeromedical evacuation support is critical to mission success***



AFTH 2nd Increment (EMEDS +10)



- ✈ 10 inpatient beds with 72-hour holding capability***
- ✈ Support deployment of 2000-3000 personnel for 7 days without re-supply***
- ✈ Composed of 29 additional personnel***
- ✈ Seven tents house an emergency room, surgery and a 10-bed inpatient ward***
- ✈ Requires 10 pallet positions for airlift***



AFTH 3rd Increment (EMEDS +25)



- ✈ Increases inpatient capacity to 25 beds***
- ✈ Supports a deployed force of 3000-5000 personnel for 7 days without re-supply***
- ✈ Composed of 33 additional personnel***
- ✈ Requires an additional 13 pallets of Airlift***



Complete AFTH Package



- ✈ 86 total personnel***
- ✈ 26 or less pallets for all EMEDS packages***



"SAM"



"SAM" ***School of Aerospace Medicine***



- ✈ Institute of Aerospace Medicine***
- ✈ United States Air Force School of Aerospace Medicine***



USAF Y2K Speak



EAF

AEF

EMEDS

AFTH

SAM



RAM Program



RAM Program



- ✈ Increasing to 21 Air Force RAMs/year***
- ✈ Army holding at 3 RAMs/year***
 - ✈ Bummer***
- ✈ Third year now available in one of two ACGME accredited specialties:***
 - ✈ Occupational Medicine***
 - ✈ General Preventive Medicine***



RAM Program



RAM VIDEO



Questions?

Comments